

The motor mounts on top of the drive housing 7 mating with the housing lid and using the 4 bolt pattern of the motor mount to affix the motor and lid to the housing. The motor 11 and housing 7 are then secured to the valve body 1 by the 4 through bolts 20 and holding bars 4. Two threaded spacers 12a and 12b may be substituted for the motor mounting bolts for mounting the optional encoder/position switch 18 and actuating mechanism 16,17. In this case a coupling 14 is used to attach threaded encoder shaft 15. This shaft drives the threaded bushing 16 in and attached cam 17 in the vertical direction corresponding with the position of the diaphragms as positioned by the motor and direct connection to the rotor at the other end of the motor drive shaft. The position may be adjusted so that when the diaphragms and integral throttling surface are closed down on the discharge island the switch will be closed. Alternately, the threaded shaft 15, bushing 16, and cam 17 maybe replaced with a potentiometer, or other suitable encoder.

WE CLAIM: